

Patent claims

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The use of a combination of an agrochemically active compound and a carrier surrounding the active compound, to suppress antagonistic interactions in a mixture comprising the active compound surrounded by the carrier material, and at least one further agrochemically active compound.

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2. The use as claimed in claim 1, wherein the active compound is selected from the group consisting of herbicides, fungicides, insecticides, growth regulators, safeners, molluscicides, acaricides and nematocides, in particular herbicides, safeners, growth regulators, insecticides and fungicides.
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3. The use as claimed in claim 2, wherein the herbicides are selected from the group consisting of ALS inhibitors, such as, for example, sulfonylureas, hydroxybenzonitriles, preferably bromoxynil and ioxynil, bentazone, aryloxyalkylcarboxylic acids, preferably MCPA, 2,4-D, CMPP, 2,4-DP, 2,4-DB, (hetero)aryloxyaryloxyalkylcarboxylic acids, preferably fenoxaprop-p-ethyl, dichlofop, clodinafop-propargyl, fluazifop, HPPDO-inhibitors, preferably mesotrione or sulfotrione, triazines, cyclohexanedione oximes, preferably sethoxidim, clethodim or trialkoxidim, the growth selectors are selected from the group consisting of indolyl acetic acid and indolyl butyric acid and auxins, the safeners are selected from the group consisting of mefenpyr-diethyl and 5,5-biphenyl-2-isoxazoline-3-carboxylic acid.
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4. The use according to claim 1, wherein the carrier material is selected from the group consisting of materials of synthetic and natural origin and organic and inorganic nature, preferably polymers of natural and synthetic origin, wax, silicates, aluminosilicates, alumina and minerals based on these materials.
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5. The use as claimed in claim 4, wherein the active compound is surrounded by microcapsules as carrier, preferably by microcapsules constructed of polyureas, polyurethanes, polyamides, melamine resins, gelatin, wax and/or starch.

6. The use as claimed in claim 5, wherein the polyurethanes and the polyureas are prepared from isocyanate prepolymers, preferably from toluene 2,4-diisocyanate, toluene 2,6-diisocyanate, methylenebis (phenyl isocyanate) or hexamethylene diisocyanate.

7. The use as claimed in claim 5 or 6, wherein the microcapsules are prepared by interfacial polycondensation or coacervation.

8. A formulation, comprising a combination as claimed in claim 1 and at least one further component from the group consisting of agrochemically active compounds, surfactants, fertilizers and customary adjuvants.

9. The formulation as claimed in claim 8, comprising a combination of a herbicide and a carrier material together with a safener and/or a growth regulator.

10. A method for controlling harmful organisms, in particular harmful plants, which comprises applying a combination as claimed in claim 1 or a formulation as claimed in claim 8 or 9 in a manner known per se.

11. A process for preparing a combination as claimed in claim 1 or a formulation as claimed in claim 8 or 9, which comprises combining the active compound by customary processes known per se, preferably by dissolving, stirring or mixing, with a suitable carrier.